



2011 College-Bound Seniors

State Profile Report

IOWA

Included in This Report

SAT® Data

SAT Subject Tests™ Data

Demographic and Academic Information

College Plans

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The SAT® Program

The SAT® (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. *College-Bound Seniors 2011* includes students who tested through June 2011.

Using This Report

College-Bound Seniors presents data for high school graduates in the year 2011 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered accurate. Therefore, you can use this report to:

- Interpret scores of individual students within the broader context of data aggregated across groups of college-bound seniors.
- Study changes over time in the characteristics of students taking SAT tests.
- Look at educational and demographic changes in this population, along with changes in test performance.

Keep in mind, however, that:

- Relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent.
- These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT and in schoolwork.
- Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.
- Not all students in a high school, school district, or state take the SAT. Since the population of test-takers is self-selected, using aggregate SAT scores to compare or evaluate teachers, schools, districts, states, or other educational units is not valid, and the College Board strongly discourages such uses.
- Interpreting SAT scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT scores for any group, or subgroup, of test-takers is the proportion of students taking the test. For example, if state data are being

considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT mean scores reported for students will be higher than the national average.

Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board Web site at www.collegeboard.org.

Mean

The *mean* is the arithmetic average.

Percentile

The *percentile*, also called the *percentile point*, is the point on the measurement scale below which a specified percentage of scores falls. The 25th, 50th, and 75th percentile points are often reported for large data sets. The 50th percentile point is also called the *median* and, like the mean, is an average and a good indicator of the center of the distribution of scores. Comparing the 25th and 75th percentile points gives an idea of the range of scores in the populations reported in this document. Like the standard deviation, the difference between the scores associated with the 75th and 25th percentiles is an indication of the variability of the scores in a particular sample.

Scaled score

A *scaled score* is a score that has been converted from the raw score (number of questions answered correctly minus a fraction of the incorrect answers) for reporting. The SAT Program uses the 200 to 800 point scale.

Standard deviation (SD)

The *standard deviation* (SD) is a measure of the variability of a set of scores. If test scores cluster tightly around the mean score, as they do when the group tested is relatively homogeneous, the standard deviation is smaller than it would be with a more diverse group and a greater scatter of scores around the mean.

The College Board: Inspiring Minds™

The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity. Founded in 1900, the association is composed of more than 5,600 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,800 colleges through major programs and services in college admissions, guidance, assessment, financial aid, enrollment and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT®, and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities and concerns.

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2011

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2011, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to present include students testing through June. For further information see <http://www.collegeboard.org/sat/cbs-2011-trends>.

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SAT® Data

Data in this report are for high school graduates in the year 2011. Information is summarized for seniors who took the SAT at any time during their high school years through June 2011. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	1,254	596	113	606	109	575	112	58.3	11.4	7.6	1.6

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	621	602	116	627	108	570	116	58.2	11.8	7.5	1.6
Female	633	591	110	586	106	581	109	58.5	11.1	7.8	1.5

Table 3: Year in Which Seniors Last Took the SAT

Scores are from the last administration in which seniors took the SAT.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2010-2011)	615	586	118	597	113	569	119	57.8	12.1	7.6	1.6
Junior (2009-2010)	620	607	107	616	106	581	105	58.9	10.7	7.7	1.5
Sophomore (2008-2009)	13	621		628		591		59.8		7.8	
Freshman (2007-2008)	6	565		563		573		59.2		7.0	
Total	1,254	596	113	606	109	575	112	58.3	11.4	7.6	1.6

Table 4: Mean Scores for Total Group

Mean scores for the total group may serve as points of reference when evaluating mean scores for the state.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,647,123	497	114	514	117	489	113	49.1	11.4	7.3	1.6

*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2011 cohort took the SAT writing section. The writing section contains one essay (30 percent of the total score) and 49 multiple-choice questions (70 percent of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3 percent) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20 to 80.

Note: Mean scores are reported when there are five or more test-takers. Standard deviations are reported when there are 25 or more test-takers.

SAT Data

Table 5: Percentiles for State and Total Group

A percentile represents the point below which a percentage of scores fall. Comparing the 25th percentile point to the 75th percentile point gives an idea of the range of performance in a group.

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	680	690	660	570	600	560
50th	600	610	580	490	510	480
25th	520	530	500	420	430	410

Table 6: Score Distributions

The score ranges in the following table reflect SAT Skills Insight™, a resource that identifies skills demonstrated by typical students who score in each range. For more information and resources for educators and students, please visit www.collegeboard.org/sat-skills.

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	130	112	242	183	98	281	85	94	179
600–690	221	206	427	232	220	452	196	195	391
500–590	145	187	332	126	190	316	181	201	382
400–490	89	105	194	62	96	158	107	117	224
300–390	30	20	50	15	29	44	43	21	64
200–290	6	3	9	3		3	9	5	14

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	974	82	48	52	602	612	581
Religiously Affiliated	176	15	56	44	573	585	549
Independent	32	3	53	47	580	593	572
Other or Unknown	72		51	49	593	590	562

Table 8: Test-Taking Conditions

Nonstandard conditions reflect test-takers who received an accommodation. *Disabling conditions* are self-reported student responses.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Disabling Conditions	40	3	586	135	572	123	551	137
Nonstandard Conditions	4	0						

Note: Percentiles are reported when there are 20 or more test-takers.

Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	6	0	567		558		545	
Asian, Asian American, or Pacific Islander	163	13	583	130	669	102	585	121
Black or African American	41	3	522	130	508	129	509	120
Mexican or Mexican American	13	1	602		597		592	
Puerto Rican								
Other Hispanic, Latino, or Latin American	27	2	549	96	546	116	532	112
White	929	74	606	106	603	104	581	108
Other	34	3	548	136	599	119	543	123
No Response	41	3	578	124	575	93	539	123
Total	1,254	100	596	113	606	109	575	112

Table 10: Male Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	1	0						
Asian, Asian American, or Pacific Islander	76	6	579	134	689	95	579	116
Black or African American	25	2	531	126	494	134	498	124
Mexican or Mexican American	7	1	586		589		551	
Puerto Rican								
Other Hispanic, Latino, or Latin American	16	1	569		576		545	
White	456	36	615	106	630	101	578	111
Other	15	1	570		618		531	
No Response	25	2	561	143	578	90	512	133
Total	621	50	602	116	627	108	570	116

Table 11: Female Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	5	0	586		574		572	
Asian, Asian American, or Pacific Islander	87	7	586	127	651	104	590	125
Black or African American	16	1	508		529		527	
Mexican or Mexican American	6	0	622		607		638	
Puerto Rican								
Other Hispanic, Latino, or Latin American	11	1	521		503		513	
White	473	38	598	105	578	102	583	105
Other	19	2	530		584		552	
No Response	16	1	604		570		580	
Total	633	50	591	110	586	106	581	109

Demographic Information

SAT: Student Background Information and Characteristics

Table 12: Student Background Information and Characteristics

Student demographic information provides a broader context to aid in interpreting and understanding individual and group scores.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	1,254	100	596	113	606	109	575	112
First Language Learned								
English	1,031	84	606	107	602	106	580	109
English and Another	101	8	584	123	635	109	582	125
Another Language	101	8	518	128	624	132	532	118
No Response	21		564		586		527	
Citizenship								
U.S. Citizen / U.S. National	1,130	93	606	108	606	108	581	110
U.S. Permanent Resident or Refugee	38	3	580	129	658	112	586	121
Citizen of Another Country	47	4	464	89	620	118	500	98
Other, Unknown, or No Response	39		500	130	536	104	484	120
Plans to Apply for Financial Aid								
Yes	904	80	597	113	605	110	575	112
No	69	6	571	129	598	113	561	125
Don't Know	159	14	612	103	623	102	585	102
No Response	122		591	115	597	113	572	115
Family Income								
\$0 - \$20,000	37	5	508	110	589	112	509	102
\$20,000–\$40,000	68	8	545	105	544	113	516	104
\$40,000–\$60,000	96	12	576	109	594	109	554	114
\$60,000–\$80,000	118	15	570	103	578	109	547	115
\$80,000–\$100,000	119	15	612	111	605	113	592	123
\$100,000–\$120,000	110	14	612	106	620	95	588	106
\$120,000–\$140,000	63	8	602	104	628	106	599	106
\$140,000–\$160,000	50	6	602	114	624	110	586	112
\$160,000–\$200,000	65	8	631	88	629	106	602	94
More than \$200,000	75	9	641	107	633	109	606	96
No Response	453		601	117	611	107	581	110
Highest Level of Parental Education								
No High School Diploma	10	1	419		523		407	
High School Diploma	134	11	526	109	543	100	506	104
Associate Degree	71	6	532	95	550	106	492	101
Bachelor's Degree	419	35	595	105	603	103	574	103
Graduate Degree	565	47	628	106	635	104	609	104
No Response	55		571	131	578	125	543	124
Took the PSAT/NMSQT®								
Yes, As a Junior	471	40	611	106	624	99	587	102
Yes, As a Sophomore or Younger	160	14	583	110	581	100	564	104
Yes, As a Junior and As a Sophomore or Younger	288	24	655	88	671	83	643	90
No	263	22	527	105	530	104	498	101
No Response	72		549	127	570	109	535	122

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Academic Record

Table 13: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	470	64	49	51	642	660	630
Second Tenth	162	22	48	52	567	579	539
Second Fifth	70	9	51	49	525	541	496
Final Three Fifths	37	5	65	35	498	517	466
No Response	515		49	51	581	581	556

Table 14: High School Grade Point Average

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	226	19	45	55	660	671	649
A (93–96)	471	40	48	52	623	636	607
A- (90–92)	230	19	45	55	582	590	557
B (80–89)	230	19	58	42	525	529	491
C (70–79)	33	3	58	42	496	497	467
D, E, or F (below 70)		0					
No Response	64		61	39	539	555	502
Mean Grade Point Average	All Students: 3.78		Male: 3.73		Female: 3.82		

Table 15: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.6	3.0	2.8	3.85	3.95	3.90
English and Language Arts	4.1	4.1	4.1	3.68	3.87	3.78
Foreign and Classical Languages	3.4	3.5	3.5	3.61	3.77	3.69
Mathematics	4.2	4.1	4.2	3.62	3.60	3.61
Natural Sciences	4.0	3.8	3.9	3.67	3.71	3.69
Social Sciences and History	3.8	3.7	3.8	3.75	3.82	3.78
Total for All Subjects	22.1	22.2	22.3			

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	252	23	48	52	628	633	608
4 Years	749	68	49	51	595	606	574
3 Years	74	7	47	53	562	571	531
2 Years	12	1	50	50	495	537	473
1 Year	5	0	40	60	470	548	462
1/2 Year or Less	3	0	67	33			
No Response	159		57	43	583	593	563
AP®/Honors Courses	597	55	44	56	645	645	626
Course Work or Experience							
English/Language Arts	1,023	98	48	52	600	607	579
Journalism	164	16	38	62	602	599	582
Creative Writing	313	30	42	58	578	577	558
American Literature	672	64	48	52	603	606	582
Composition/Writing	720	69	47	53	601	604	579
British Literature	238	23	47	53	629	633	611
World Literature	368	35	48	52	598	603	579
Communications	184	18	52	48	580	585	559
Public Speaking	552	53	48	52	607	610	585
English As Second Language	58	6	40	60	495	614	514

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	345	32	53	47	631	665	617
4 Years	605	55	48	52	589	594	565
3 Years	129	12	39	61	569	535	540
2 Years	10	1	30	70	497	520	487
1 Year	3	0	67	33			
1/2 Year or Less	3	0	100	0			
No Response	159		57	43	583	592	563
AP/Honors Courses	567	52	49	51	647	672	630
Highest Level of Mathematics Achieved*							
Calculus	521	48	53	47	642	673	626
Pre-calculus	300	28	46	54	587	584	561
Trigonometry	77	7	52	48	555	546	528
Algebra II	145	13	39	61	516	481	489
Algebra I	21	2	48	52	440	442	399

*To better reflect the relationship between students' SAT scores and their Mathematics course work, course work is now being displayed as the highest level of mathematics achieved. This means that each student is counted only once under their highest level of mathematics course taken.

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	250	23	57	43	635	666	617	
4 Years	561	51	48	52	600	607	579	
3 Years	226	21	40	60	573	567	549	
2 Years	41	4	46	54	524	528	505	
1 Year	8	1	63	38	531	563	503	
1/2 Year or Less	6	1	83	17	473	552	473	
No Response	162		56	44	582	590	560	
AP/Honors Courses	528	48	48	52	644	661	626	
Course Work or Experience								
Biology	1,022	97	48	52	599	607	578	
Chemistry	986	93	47	53	604	613	583	
Physics	697	66	52	48	619	638	601	
Geology, Earth, or Space Science	448	42	46	54	579	582	558	
Other Sciences	414	39	45	55	596	600	570	

Social Sciences and History	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	167	15	53	47	630	644	609	
4 Years	564	52	48	52	600	607	579	
3 Years	309	28	47	53	588	597	565	
2 Years	43	4	47	53	560	570	536	
1 Year	4	0	50	50				
1/2 Year or Less	6	1	67	33	422	567	453	
No Response	161		56	44	583	592	562	
AP/Honors Courses	510	47	48	52	648	653	627	
Course Work or Experience								
U.S. History	1,012	96	48	52	602	610	581	
World History or Cultures	853	81	48	52	601	606	578	
U.S. Government or Civics	841	80	48	52	600	609	580	
Economics	589	56	49	51	604	613	583	
Geography	295	28	45	55	578	588	555	
Psychology	403	38	42	58	596	605	576	
European History	338	32	45	55	625	624	602	
Sociology	216	20	45	55	587	585	567	
Ancient History	178	17	47	53	607	600	580	
Other Courses	187	18	42	58	595	592	573	

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 18: Foreign and Classical Languages

Foreign and Classical Languages Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	144	13	48	52	628	644	620
4 Years	530	49	47	53	619	630	602
3 Years	187	17	48	52	585	597	553
2 Years	172	16	52	48	559	557	531
1 Year	33	3	52	48	508	512	468
1/2 Year or Less	26	2	62	38	511	535	464
No Response	162		57	43	581	590	561
AP/Honors Courses	272	25	47	53	649	664	639
Course Work or Experience							
Chinese	52	5	46	54	607	663	602
French	196	18	37	63	610	616	593
German	71	7	58	42	595	617	566
Greek	9	1	33	67	584	633	624
Hebrew	1	0	100	0			
Italian	19	2	26	74	624	594	576
Japanese	25	2	44	56	602	611	583
Korean	4	0	75	25			
Latin	30	3	33	67	643	634	638
Russian	4	0	25	75			
Spanish	748	71	49	51	596	603	575
Other Languages	37	3	46	54	563	571	561

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	182	17	46	54	627	637	614
4 Years	322	30	42	58	622	622	599
3 Years	117	11	37	63	579	582	553
2 Years	153	14	55	45	578	599	559
1 Year	137	13	50	50	585	596	568
1/2 Year or Less	166	15	64	36	570	586	540
No Response	177		58	42	579	595	561
AP/Honors Courses	88	8	35	65	628	637	632
Course Work or Experience							
Acting or Play Production	320	31	36	64	622	614	603
Art History or Appreciation	143	14	33	67	574	563	557
Dance	145	14	16	84	581	589	577
Drama: Study or Appreciation	194	19	36	64	609	599	591
Music: Study or Appreciation	162	16	48	52	632	625	615
Music Performance	646	62	45	55	621	628	602
Photography or Film	245	24	33	67	587	578	563
Studio Art and Design	262	25	29	71	592	593	572
None	133	13	71	29	566	585	535

Computers Course Work or Experience	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	664	66	48	52	601	608	580
Computer Programming	193	19	64	36	599	625	583
Word Processing	701	69	49	51	601	607	579
Internet Activity	503	50	49	51	598	603	577
Using Computer Graphics	374	37	49	51	591	598	569
Creating Spreadsheets/Databases	392	39	52	48	600	609	579
None	132	13	39	61	616	627	593

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

SAT Subject Tests™ Data

Table 20: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
379	960	276	667	701	652

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	17	4
2	187	49
3	140	37
4 or More	35	9

Table 21: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

Most, but not all, students who take SAT Subject Tests also take the SAT. This table provides SAT Subject Test scores for students who took SAT Subject Tests. It also provides the SAT scores for those students who also took the SAT.

	SAT Subject Test			N	SAT					
	N	Mean	SD		Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	118	659	82	81	685	76	672	73	657	76
History and Social Studies										
U.S. History	85	673	92	62	676	82	673	78	651	82
World History	9	647		8	693		668		686	
Mathematics										
Mathematics Level 1	97	657	82	68	628	98	657	74	616	90
Mathematics Level 2	266	718	80	197	673	91	724	58	659	80
Science										
Biology-E	63	714	69	50	692	62	730	56	672	68
Biology-M	38	678	95	29	667	99	691	77	669	91
Chemistry	145	691	88	113	671	100	730	52	665	86
Physics	76	696	97	57	664	101	735	59	642	90
Foreign and Classical Languages										
Chinese/Listening	8	765		7	611		753		606	
French	9	610		6	712		705		698	
French/Listening	2			2						
German	1			1						
German/Listening	1			1						
Modern Hebrew										
Italian	1									
Japanese/Listening	2			2						
Korean/Listening	3			1						
Latin	2			1						
Spanish	29	601	116	18	682		683		691	
Spanish/Listening	5	558		4						

SAT Subject Tests Score Distributions

Table 22: English, History and Social Studies

SAT Subject Tests	English		History and Social Studies			
	Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct
750-800	16	14	24	28	2	22
700-740	31	26	16	19		
650-690	26	22	14	16	3	33
600-640	23	19	13	15	1	11
550-590	9	8	9	11	2	22
500-540	9	8	6	7	1	11
450-490	1	1	2	2		
400-440	3	3				
350-390			1	1		
300-340						
250-290						
200-240						
Total	118		85		9	
Mean	659		673		647	
SD	82		92			
75th percentile	720		750			
50th percentile	670		690			
25th percentile	610		610			

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	13	13	120	45	26	41	13	34	48	33	30	39
700-740	20	21	51	19	16	25	5	13	28	19	16	21
650-690	25	26	43	16	12	19	7	18	33	23	9	12
600-640	21	22	32	12	5	8	5	13	14	10	8	11
550-590	10	10	11	4	2	3	4	11	9	6	4	5
500-540	2	2	7	3	1	2	1	3	10	7	7	9
450-490	3	3	1	0	1	2	3	8	1	1	1	1
400-440	3	3	1	0					1	1	1	1
350-390									1	1		
300-340												
250-290												
200-240												
Total	97		266		63		38		145		76	
Mean	657		718		714		678		691		696	
SD	82		80		69		95		88		97	
75th percentile	720		800		770		760		770		780	
50th percentile	660		730		730		680		700		720	
25th percentile	610		670		670		600		640		640	

SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	6	75	1	11	1	50						
700-740	2	25										
650-690			3	33			1	100				
600-640									1	100		
550-590			3	33	1	50						
500-540			1	11								
450-490			1	11								
400-440												
350-390												
300-340												
250-290												
200-240												
Total	8		9		2		1		1			
Mean	765		610									
SD												
75th percentile												
50th percentile												
25th percentile												

Table 25: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800					2	67	1	50	3	10	1	20
700-740	1	100							5	17		
650-690			1	50					2	7	1	20
600-640			1	50					7	24		
550-590							1	50	2	7	1	20
500-540									4	14		
450-490									2	7		
400-440					1	33			2	7	1	20
350-390									2	7	1	20
300-340												
250-290												
200-240												
Total	1		2		3		2		29		5	
Mean									601		558	
SD									116			
75th percentile									690			
50th percentile									610			
25th percentile									510			

College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	12	1	561	565	527
Architecture and Related Services	27	2	573	618	554
Area, Ethnic, Cultural and Gender Studies	3	0			
Biological and Biomedical Sciences	102	9	630	630	602
Business Management, Marketing, and Related Support Services	72	6	565	615	559
Communication, Journalism and Related Programs	19	2	535	527	531
Computer and Information Sciences and Support Services	28	3	626	636	565
Construction Trades	1	0			
Education	37	3	572	576	561
Engineering	133	12	624	663	603
Engineering Technologies/Technicians	11	1	545	579	517
English Language and Literature/Letters	31	3	645	592	615
Family and Consumer Sciences/Human Sciences	3	0			
Foreign Languages, Literatures, and Linguistics	18	2	621	579	614
Health Professions and Related Clinical Services	161	15	595	611	584
History	15	1	631	560	581
Legal Professions and Studies	34	3	579	593	576
Liberal Arts and Sciences, General Studies, and Humanities	20	2	612	570	585
Library Science And Administration	1	0			
Mathematics and Statistics	23	2	638	711	629
Mechanic and Repair Technologies/Technician					
Military Technologies And Applied Sciences	2	0			
Multi/Interdisciplinary Studies	5	0	684	660	634
Natural Resources and Conservation	8	1	636	675	601
Parks, Recreation, Leisure and Fitness Studies	4	0			
Personal and Culinary Services	2	0			
Philosophy and Religious Studies	7	1	597	550	554
Physical Sciences	31	3	651	680	619
Precision Production					
Psychology	32	3	589	585	573
Public Administration and Social Services Professions	3	0			
Security and Protective Services	7	1	479	539	457
Social Sciences	33	3	611	581	594
Theology and Religious Vocations	3	0			
Transportation and Materials Moving					
Visual and Performing Arts	109	10	600	585	583
Other	13	1	519	542	500
Undecided	98	9	626	630	597
Degree-Level Goal					
Certificate Program	4	0			
Associate Degree	2	0			
Bachelor's Degree	284	25	544	556	522
Master's Degree	284	25	601	610	578
Doctoral or Related Degree	373	32	633	651	618
Other	7	1	486	586	494
Undecided	199	17	611	599	577

College Plans

Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 1,357 students from your state who took the SAT and/or an SAT Subject Test, 947 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 626 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF IOWA	IA	Public	279	29.5
IOWA STATE UNIVERSITY	IA	Public	255	26.9
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	201	21.2
NORTHWESTERN UNIVERSITY	IL	Private	141	14.9
STANFORD UNIVERSITY	CA	Private	119	12.6
WASHINGTON UNIVERSITY	MO	Private	113	11.9
PRINCETON UNIVERSITY	NJ	Private	97	10.2
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	92	9.7
UNIVERSITY OF CHICAGO	IL	Private	90	9.5
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	81	8.6
UNIVERSITY OF NORTHERN IOWA	IA	Public	77	8.1
YALE UNIVERSITY	CT	Private	71	7.5
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISSIONS	NY	Private	67	7.1
UNIVERSITY OF MINNESOTA TWIN CITIES	MN	Public	58	6.1
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	57	6.0
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	54	5.7
CORNELL UNIVERSITY	NY	Private	52	5.5
BROWN UNIVERSITY	RI	Private	51	5.4
UNIVERSITY OF WISCONSIN MADISON	WI	Public	49	5.2
UNIVERSITY OF NOTRE DAME	IN	Private	48	5.1
DRAKE UNIVERSITY	IA	Private	48	5.1
DUKE UNIVERSITY	NC	Private	47	5.0
UNIVERSITY OF ILLINOIS URBANA	IL	Public	46	4.9
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	45	4.8
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	43	4.5
CALIFORNIA INSTITUTE OF TECHNOLOGY	CA	Private	36	3.8
DARTMOUTH COLLEGE	NH	Private	35	3.7
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	34	3.6
BOSTON UNIVERSITY	MA	Private	33	3.5
NEW YORK UNIVERSITY	NY	Private	33	3.5
CARNEGIE MELLON UNIVERSITY	PA	Private	32	3.4
EDUCATIONAL TALENT SEARCH	IA	Scholarship	32	3.4
GRINNELL COLLEGE	IA	Private	32	3.4
MACALESTER COLLEGE	MN	Private	31	3.3
GEORGETOWN UNIVERSITY	DC	Private	31	3.3
JOHNS HOPKINS UNIVERSITY UNDERGRADUATE ADMISSIONS	MD	Private	30	3.2
PURDUE UNIVERSITY WEST LAFAYETTE	IN	Public	30	3.2
VANDERBILT UNIVERSITY	TN	Private	26	2.7
NCAA ELIGIBILITY CENTER	IN	Public	26	2.7
RICE UNIVERSITY	TX	Private	26	2.7
SAINT OLAF COLLEGE	MN	Private	25	2.6
BOSTON COLLEGE	MA	Private	25	2.6
CARLETON COLLEGE	MN	Private	25	2.6
CREIGHTON UNIVERSITY	NE	Private	21	2.2
LUTHER COLLEGE	IA	Private	20	2.1

*Of your students who designated that their SAT and/or SAT Subject Test score reports be sent to institutions, the 'Percent of Score Senders' indicates the percent of those students who had their scores sent to each institution listed.

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